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INFORMATION REPORT

PREPARED AND DISSEMINATED BY
CENTRAL INTELLIGENCE AGENCY

COUNTRY

Hungary

SUBJECT

The Almasfuzito Oil Refinery

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SUPPLEMENT TO REPORT #

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THIS IS UNEVALUATED INFORMATION

oil refinery at Almasfuzito (4743N-1815E)

portions of the refinery were considered vulnerable to air attack

These portions of the plant were ones considered of vital importance to the continued operation of the plant. This refinery is located north of National Highway #1, directly across from the Almasfuzito railroad station. The refinery area extends from the highway, north to the banks of the Danube. The refinery was owned and operated by the Shell Oil Company before World War II. 50X1-HUM

Almasfuzito Oil Refinery, located at Almasfuzite (4743N-1815E), sketch of the
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Attachment to [] Sketch of the Almasfuzito Oil Refinery []

1. FLOATING WHARF, used by barges bringing oil to refinery. Most of the petroleum was produced in Hungary, but some Rumanian oil was being imported during late 1956. Petroleum was pumped from barges through flexible hoses through pump house, Point 3.
2. MOBILE AIR RAID SHELTER, 2.27m high, 1.30m wide, weight is 3,200 Kg without base, designed for two persons, but can accommodate three. [] Shelter was to be used for fire control during air attacks. This shelter is a part of the plant network of similar shelters and larger personnel shelters. They were not manned during 1954-56, but were used only during drills and exercises.
3. PUMP HOUSE, used to pump oil from barges in Danube River to refinery. No further details.
4. OIL PIPES, underground most of way, not very deeply set. One pipe ran SW towards building area, and the other ran SE towards RR tracks.
5. MOBILE AIR RAID SHELTER, same details as Point 2.
6. RESIDUE PIT, light yellow residue collected here, residue formed hard crust on surface. Plant laboratory experimenting with possible utilization of this residue.
7. BUILDING, details not known. []
8. CHIMNEY, brick, 60m high, pre-war construction. Plant planned to build an observation platform around chimney 30m from ground. This would be tied in with air defense network of plant and local area.
9. FURNACE BUILDING, 4-5 oil fed furnaces, building size is 65m x 30m x 6m. One end of building enlarged in 1953 to include one more diesel engine, there are a total of three diesel engines.
10. CATALYTIC CRACKING UNITS, two, towers 25m high, one unit was pre World War II and the other was replaced in 1946-47 by the same type. [] installation of blast walls around these units; walls were 4m high. (See attached [] Sketch of Almasfuzito Oil Refinery)
11. DISTILLATION BUILDING, no other info. [] ing as the distillation building.
12. MOBILE AIR RAID SHELTER, same details as Point 2.

13. BITUMINOUS FURNACES, four furnaces; 200 litre wood and metal drums stored in adjacent yard. 5.5m high blast walls were built around furnaces in 1955. 50X1-HUM
14. OIL STORAGE AREA, construction began in 1956 and by November 1956 concrete foundations had been laid. Size, number and contents of tanks to be erected in this area not known. [] they would be "large" oval tanks 50X1-HUM Area is 300m square. SW side has brick wall, other sides have wire mesh fence. [] reinforced concrete retainer 50X1-HUM walls would be built around each storage tank. [] pre- 50X1-HUM sent storage area was not sufficient for present production rate and that is why this new area is being built.
15. RAILROAD SPURS, 3-4 spurs. [] as many as 10-15 oil tank cars on 50X1-HUM tracks. 50X1-HUM
16. PARAFFIN BUILDING, 25m x 25m x 4.5m, brick building, pre-World War II construction, flat roof; 12 to 16 workers. Paraffin was pressed into slab forms and stacked at one end of the building.
17. RAILROAD SPUR, standard guage, coming in from the main line that enters Almasfuzito RR Station.
18. LABORATORY, 20m x 12m x 3.5m; brick building, flat roof, built after World War II. Seven technicians worked on quality control of products and research in petroleum by-products. 50X1-HUM
19. COMPRESSOR BUILDING, 28m x 20m x 4m; brick, pre-World War II construction. Building contained 20-30 compressors occupying half of the building; other section housed machinery. [] air from compressor was used for the machinery in the other half of building. No other information available. 50X1-HUM
20. MACHINE SHOP AREA. Repairs for the refinery were made in this area which contained numerous shop buildings. Several were built after World War II. 50X1-HUM
21. ALMASFUZITO Railroad Station.
22. RAILROAD TRACKS, main line coming from Budapest traveling west towards Vienna. Six-eight tracks adjacent to Almasfuzito Railroad Station comprise a classification yard and are serviced by several small station-type locomotives. The main line is electrified.
23. KONZUM STORE. 50X1-HUM
24. CAFETERIA, single story, brick building, built in Spring 1953. Used by workers from refinery. 50X1-HUM

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25. ENTRANCE BUILDING, manned by five guards. Strict security control is exercised over people entering plant area. Visitors are issued one-day passes to a definite building or place. Passes are issued at Point 32. Workers wore badge.
26. MOBILE AIR RAID SHELTER, same details as Point 2.
27. LOCOMOTIVE ENGINE HOUSE, 25m x 12m. This building could possibly house two small engines at one time. Engines are fired up here. Minor repairs are made on engines in this shop.
28. OIL STORAGE TANKS; 3-4 round tanks, 8-10m diameter and 10m high, painted black. the tanks contained refined engine oil. no Railroad tracks leading to the tanks, only overhead pipes leading to building area of plant.
29. ROAD; asphalt, maintained.
30. NURSERY SCHOOL; single story, brick building. Basement contained an air raid shelter for maximum of 60 persons; shelter ceiling 20cm thick, stressed for 2000 Kg/m². Shelter had two escape tunnels for emergency exits. School used by pre-school children of refinery workers.
31. ROAD; National Highway #1.
32. ADMINISTRATION BUILDING, 35m x 12m, three-story brick building of pre-World War II construction. Contained offices of plant manager, accounting offices, and telephone exchange.
33. WAREHOUSE. no further details.
34. AIR RAID SHELTER; World War II construction, 2m thick walls. Shelter re-modeled under my supervision. Shelter now has forced air ventilation, short wave radio, telephones. Shelter is gas and bomb proof. All mobile air raid shelters are tied in with this shelter by radio and telephone. This shelter in turn is tied in with air defense network of plant called "Tinföldgyar," located about 800m to the west of the refinery. This shelter will hold 200 persons.
35. GASOLINE STORAGE TANKS; three rows. Row A- 3-4 tanks, each 10m diameter and 8-10m high, sitting on ground; dirty gray color. Row B- 4-5 tanks, each 6m diameter and 6m high, dirty gray color, placed on metal legs 1.20m from ground. Row C- 5-5 tanks, each 4m diameter and 4m high, dirty gray color, set on legs 1.20m from ground. Smaller tanks (Rows B and C) were interspersed and contained aviation gasoline; larger tanks (Row A) contained regular low octane gasoline. All tanks had pipes coming out from top and bottom of the tanks leading to the cracking unit area. blast walls

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- for these tanks. This group of tanks was given third priority for blast wall construction because of the numerous and complicated maze of pipes. First priority was given to tanks in the new area, Point 14, and second priority went to storage area, Point 38.
36. MOBILE AIR RAID SHELTER.
 37. WALL; brick, 2.40m high. Plant guards with rifles patrolled along outer side of wall. 50X1-HUM
 38. STORAGE TANKS, tanks A, B, C, D, 20m x 20m, dirty gray color. Tank "A" installed after World War II, tanks B, C, D, are pre-World War II construction. Tanks E and F were destroyed during World War II and were never rebuilt; only foundations and parts of tank shell remain. The active tanks are believed to contain petroleum. Dry earth mounds surround each tank. Blast-walls are to be built around these tanks during 1957. 50X1-HUM
 39. GUARD HOUSE; reinforced concrete building, small, four plant guards stationed here. Small entrance adjacent to guard house. These guards patrol the outer perimeter of plant on NW and NE sides.

GENERAL INFORMATION:

CAPACITY: production of refinery is a little better than World War II production. (Exact figures not known). 50X1-HUM

PRODUCTS: Fuel oil, paraffin, various types of gasolines, including aviation gasoline. (Quantities not known) some 50X1-HUM

LABOR FORCE: 300 workers were employed at refinery. This is based on air raid shelter requirements for plant; one 200-person shelter is in existence, (Point 34) but at least one more shelter of 100-person capacity is required. some portions of refinery work three shifts, others not directly involved in refining worked only one shift. 50X1-HUM

FIRE FIGHTING EQUIPMENT: one foam-equipped fire truck. also a type of truck that can pour sand on fires. About twelve firemen during a fire-fighting practice session. 50X1-HUM

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